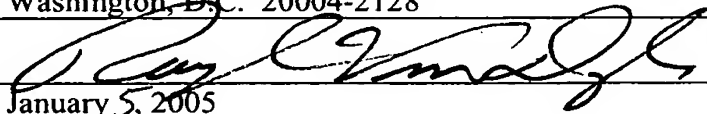


| | | | |
|--|--|------------------------|-----------------------------|
| TRANSMITTAL FORM <i>(to be used for all correspondence after initial filing)</i> | | Application Number | 10/062,879 |
| | | Filing Date | January 31, 2002 |
| | | First Named Inventor | COCKETT et al. |
| | | Group Art Unit | 1646 |
| | | Examiner Name | Dong JIANG |
| Total Number of Pages in This Submission | | Attorney Docket Number | 031896-073100 (AHP98089 D1) |

| ENCLOSURES (check all that apply) | | |
|--|---|---|
| <input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53 | <input type="checkbox"/> Assignment Papers (for an Application) <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Declaration and Power of Attorney <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ | <input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Application Data Sheet <input type="checkbox"/> Request for Corrected Filing Receipt with Enclosures <input type="checkbox"/> A self-addressed prepaid postcard for acknowledging receipt <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Power of Attorney (previously sent on March 8, 2004) |
| Remarks | | <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees required or credit any overpayments to Deposit Account No. 19-2380 for the above identified docket number. |

| SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT | |
|--|---|
| Firm or Individual name | <u>Raymond Van Dyke (34,746)</u> Nixon Peabody LLP 401 9 th Street, N.W. Suite 900 Washington, D.C. 20004-2128 |
| Signature |  |
| Date | January 5, 2005 |

FEE TRANSMITTAL FOR FY 2005

Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT

(\$ 180.00)

Complete if Known

Application Number

10/062,879

Filing Date

January 31, 2002

First Named Inventor

COCKETT et al.

Examiner Name

Dong JIANG

Art Unit

1646

Attorney Docket No.

031896-073100 (AHP 98089 DI)

METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit Card ☐ Money Order ☐ Other ☐ None

☒ Deposit Account:

Deposit Account Number

19-2380

Deposit Account Name

Nixon Peabody LLP

The Commissioner is authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☒ Credit any overpayments

☒ Charge any additional fee(s)

☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

| Large Entity Fee Code | Large Entity Fee (\$) | Small Entity Fee Code | Small Entity Fee (\$) | Fee Description | Fee Paid |
|-----------------------|-----------------------|-----------------------|-----------------------|------------------------|----------|
| 1001 | 300 | 2001 | 150 | Utility filing fee | |
| 1002 | 200 | 2002 | 100 | Design filing fee | |
| 1003 | 200 | 2003 | 100 | Plant filing fee | |
| 1004 | 300 | 2004 | 150 | Reissue filing fee | |
| 1005 | 200 | 2005 | 100 | Provisional filing fee | |

SUBTOTAL (1) (\$ 0)

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

| Total Claims | Extra Claims | Fee from below | Fee Paid |
|--------------------|--------------|----------------|----------|
| -20** = | X | | 0 |
| Independent Claims | -3** = | X | 0 |
| Multiple Dependent | X | | 0 |

| Large Entity Fee Code | Large Entity Fee (\$) | Small Entity Fee Code | Small Entity Fee (\$) | Fee Description |
|-----------------------|-----------------------|-----------------------|-----------------------|--|
| 1202 | 50 | 2202 | 25 | Claims in excess of 20 |
| 1201 | 200 | 2201 | 100 | Independent claims in excess of 3 |
| 1203 | 360 | 2203 | 180 | Multiple dependent claim, if not paid |
| 1204 | 200 | 2204 | 100 | ** Reissue independent claims over original patent |
| 1205 | 50 | 2205 | 25 | ** Reissue claims in excess of 20 and over original patent |

SUBTOTAL (2) (\$ 0)

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)

3. ADDITIONAL FEES

| Large Entity Fee Code | Large Entity Fee (\$) | Small Entity Fee Code | Small Entity Fee (\$) | Fee Description |
|-----------------------|-----------------------|-----------------------|-----------------------|--|
| 1051 | 130 | 2051 | 65 | Surcharge - late filing fee or oath |
| 1052 | 50 | 2052 | 25 | Surcharge - late provisional filing fee or cover sheet |
| 1053 | 130 | 1053 | 130 | Non-English specification |
| 1812 | 2,520 | 1812 | 2,520 | For filing a request for <i>ex parte</i> reexamination |
| 1804 | 920* | 1804 | 920* | Requesting publication of SIR prior to Examiner action |
| 1805 | 1,840* | 1805 | 1,840* | Requesting publication of SIR after Examiner action |
| 1251 | 120 | 2251 | 60 | Extension for reply within first month |
| 1252 | 450 | 2252 | 225 | Extension for reply within second month |
| 1253 | 1,020 | 2253 | 510 | Extension for reply within third month |
| 1254 | 1,590 | 2254 | 795 | Extension for reply within fourth month |
| 1255 | 2,160 | 2255 | 1,080 | Extension for reply within fifth month |
| 1401 | 500 | 2401 | 250 | Notice of Appeal |
| 1402 | 500 | 2402 | 250 | Filing a brief in support of an appeal |
| 1403 | 1,000 | 2403 | 500 | Request for oral hearing |
| 1451 | 1,510 | 1451 | 1,510 | Petition to institute a public use proceeding |
| 1452 | 500 | 2452 | 250 | Petition to revive - unavoidable |
| 1453 | 1,500 | 2453 | 750 | Petition to revive - unintentional |
| 1501 | 1,400 | 2501 | 700 | Utility issue fee (or reissue) |
| 1502 | 800 | 2502 | 400 | Design issue fee |
| 1503 | 1,100 | 2503 | 550 | Plant issue fee |
| 1460 | 130 | 1460 | 130 | Petitions to the Commissioner |
| 1807 | 50 | 1807 | 50 | Processing fee under 37 CFR 1.17(q) |
| 1806 | 180 | 1806 | 180 | Submission of Information Disclosure Stmt |
| 8021 | 40 | 8021 | 40 | Recording each patent assignment per property (times number of properties) |
| 1809 | 790 | 2809 | 395 | Filing a submission after final rejection (37 CFR 1.129(a)) |
| 1810 | 790 | 2810 | 395 | For each additional invention to be examined (37 CFR 1.129(b)) |
| 1801 | 790 | 2801 | 395 | Request for Continued Examination (RCE) |
| 1802 | 900 | 1802 | 900 | Request for expedited examination of a design application |

Other fee (specify) _____

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ 180)

CERTIFICATE OF MAILING OR TRANSMISSION [37 CFR 1.8(a)]

I hereby certify that this correspondence is being:

- ☐ deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to: Mail Stop _____, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450
- ☐ transmitted by facsimile on the date shown below to the United States Patent and Trademark Office at (703) _____.

Date

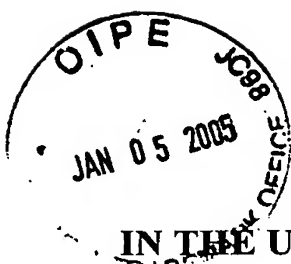
Signature

Typed or printed name

SUBMITTED BY

| | | | | | |
|-------------------|------------------|-----------------------------------|--------|-----------|----------------|
| Name (Print/Type) | Raymond Van Dyke | Registration No. (Attorney/Agent) | 34,746 | Telephone | (202) 585-8250 |
| Signature | | | | Date | 1/5/9 |

SEND TO: Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450



Docket No. 031896-073100 (AHP9809 D1)

AF/1Pw 1646 #

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:

COCKETT, et al.

Serial No. 10/062,879

Filed: January 31, 2002

For: HUMAN POTASSIUM CHANNEL
POLYNUCLEOTIDES AND POLYPEPTIDES
AND USES THEREOF

Examiner: Dong JIANG

Group Art Unit: 1646

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

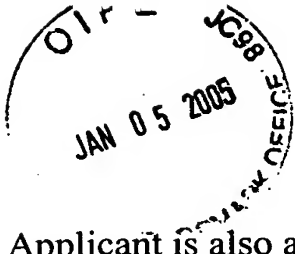
In accordance with the duty of disclosure as set forth in 37 C.F.R. §1.56, Applicants hereby submit the following information in conformance with 37 C.F.R. §§ 1.97 and 1.98. Pursuant to 37 C.F.R. § 1.98, a copy of each of the documents cited is enclosed. The amount of \$180 is being submitted to comply with the provisions of 37 C.F.R. § 1.97(c) which is to be charged to our Deposit Account No. 19-2380.

Pursuant to 37 C.F.R. §1.97(e), the undersigned certifies that to his knowledge no item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to my knowledge, after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this statement.

It is requested that the accompanying PTO-1449 be considered and made of record in the above-identified application. To assist the Examiner, the document is listed on the attached form PTO-1449. It is respectfully requested that an Examiner-initialed copy of this form be returned to the undersigned.

01/06/2005 AADDFD1 00000063 192380 10062879

01 FC:1806 180.00 DA



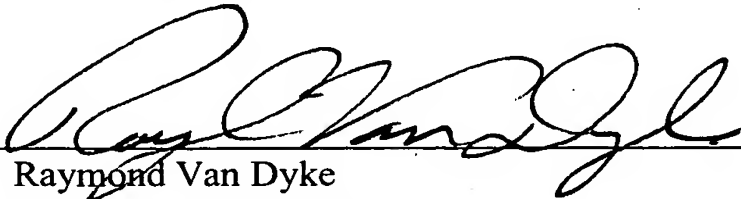
Docket No. 031896-073100 (AHP 98089 D1)

Applicant is also attaching a copy of our Power of Attorney, previously filed in the U.S. Patent and Trademark Office on March 8, 2002. Please note this change in the official records and direct correspondence in this matter to Applicant's representative indicated below.

The Commissioner is hereby authorized to charge any fees connected with this filing which may be required now, or credit any overpayment to Deposit Account No. 19-2380.

Respectfully submitted,

By:

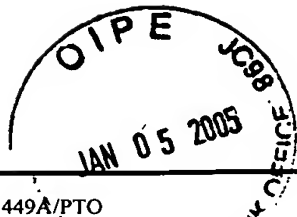


Raymond Van Dyke
Registration No. 34,746

NIXON PEABODY LLP
Suite 900
401 9th Street, N.W.
Washington, DC 20004-2128

Telephone: (202) 585-8000

Date: January 5, 2005



| | | | | | |
|--|---|----|---|--------------------------|--------------------------|
| Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i> | | | | Complete if Known | |
| | | | | Application Number | 10/062,879 |
| | | | | Filing Date | January 31, 2002 |
| | | | | First Named Inventor | Mark I. COCKETT et al. |
| | | | | Art Unit | 1644 |
| | | | | Examiner Name | Dong JIANG |
| Sheet | 1 | Of | 1 | Attorney Docket Number | 031896-073100/AHP98089D1 |

| U.S. PATENT DOCUMENTS | | | | | |
|-----------------------|--------------------------|---|--------------------------------|--|--|
| Examiner Initials* | Cite No. ¹ | U.S. Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| | | Number - Kind Code ² (if known) | | | |
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| FOREIGN PATENT DOCUMENTS | | | | | | |
|--------------------------|--------------------------|--|--------------------------------|--|--|----------------|
| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T ⁶ |
| | | Country Code ³ Number ⁴ Kind Code ⁵ (if known) | | | | |
| | | | | | | |

| OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS | | | |
|---|--------------------------|---|----------------|
| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
| | | | |
| | | ISBRANDT, DIRK, et al., "Gene Structures and Expression Profiles of Three Human KCND (Kv4) Potassium Channels Mediating A-Type Current I_{TO} and I_{SA} , <i>Genomics</i> 64, December 21, 1999, pages 144-154 | |
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|-----------------------|--|--------------------|--|
| Examiner Signature | | Date Considered | |
|-----------------------|--|--------------------|--|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.